

Project Name/Location:

Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - RM 14+45 to 15+27**Date: 09/07/2005**

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
<u>Load Number</u>	DR-1	20.0	7:14:44	7360135.78	939906.36	2.5	
846	DR-2	20.0	7:16:14	7359734.77	939606.54	15.9	8.3
<u>Tidal Stage</u>	DR-2R1	20.1	7:16:19	7359734.77	939606.54	12.9	8.5
Ebb	DR-4	19.7	7:18:03	7359176.78	939495.70	3.8	
<u>Dredge State:</u>	DR-4R1	19.9	7:18:12	7359176.78	939495.70	3.8	
Overflow through	DR-3	19.2	7:20:14	7360696.02	939354.03	21.7	
skimmers only	DR-3R1	19.5	7:20:20	7360687.59	939354.38	14.6	
<u>Weather:</u>							
Partly Cloudy							
<u>Wind:</u>							
0-5 kts							
<u>Seas:</u>							
1'-2'							
<u>Disposal location</u>							
Columbia River RM 9							

Remarks:	Action Taken:
DR-2 exceeded 10% over background, taken in the plume.	Re-test DR-2R1 was taken.
DR-4 exceeded 10% over background, taken in the plume.	Re-test DR-4R1 was taken.
DR-3 exceeded 10% over background, taken out of the plume,	Re-test DR-3R1 was taken.
on starboard side.	The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel	OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current		
DR-3	300' Radially from point of dredge (Port or Starboard)		
DR-4	900' Down Current from point of dredging		
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		

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Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DSP-1	18.1	8:22:39	7330411.87	944991.12	2.0	
846	DSP-3	19.4	8:25:37	7330529.44	944578.48	1.4	
Tidal Stage	DSP-2	19.3	8:27:07	7330419.51	944278.97	8.2	8.5
Ebb	DSP-2R1	19.4	8:27:12	7330419.51	944278.97	7.3	8.4
Dredge State:	DSP-4	20.3	8:28:14	7329980.72	944687.06	16.0	
Split Hull	DSP-4R1	20.5	8:28:19	7329964.64	944706.00	11.3	
Weather:							
Partly Cloudy							
Wind:							
0-5 kts							
Seas:							
1'-2'							
Disposal location							
Columbia River RM 9							

Remarks:	Action Taken:
DSP-2 exceeded 10% over background, taken in the plume.	Re-test DSP-2R1 was taken.
DSP-4 exceeded 10% over background, taken in the plume.	Re-test DSP-4R1 was taken.
DSP-3 taken out of the plume, on port side	
DSP-3 taken out of order to ensure completion of test prior to completion of load disposal.	The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DSP-1	Background - 100' Up Current, Within 600-Foot of Channel	OR WA WA	OR, WA Not Required Not Required
DSP-2	100' Down Current		
DSP-3	150' Radially from point of dredge (Port or Starboard)		
DSP-4	900' Down Current from point of dredging		
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		

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Columbia River Channel Improvement - RM 14+45 to 15+27**Date: 09/07/2005**

<div>Dredging</div> <div><u>Load Number</u></div> <div>847</div> <div><u>Tidal Stage</u></div> <div>Ebb</div> <div><u>Dredge State:</u></div> <div>Overflow through skimmers only</div> <div><u>Weather:</u></div> <div>Clear</div> <div><u>Wind:</u></div> <div>0-5 kts</div> <div><u>Seas:</u></div> <div>0'-1'</div> <div><u>Disposal location</u></div> <div>Columbia River DWS</div>	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)	
	DR-1	19.9	10:17:07	7361114.92	939780.89	3.9		
	DR-2	19.6	10:18:19	7360819.70	939793.04	23.2	8.3	
	DR-2R1	19.7	10:18:24	7360806.80	939787.49	25.0	8.2	
	DR-4	20.1	10:20:08	7360259.73	939633.58	9.8		
	DR-4R1	19.9	10:20:17	7360234.17	939628.55	5.5		
	DR-3	20.2	10:23:59	7361518.23	940445.66	16.1		
	DR-3R1	20.2	10:24:04	7361514.01	940445.83	12.1		
Remarks:				Action Taken:				
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.				
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.				
DR-3 exceeded 10% over background, taken out of the plume, on port side.				Re-test DR-3R1 was taken.				
				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.				
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance	
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required	
DR-2	100' Down Current							
DR-3	300' Radially from point of dredge (Port or Starboard)							
DR-4	900' Down Current from point of dredging							
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point							

Project Name/Location:				Contract Number: W9127N-05-C-0012			
Columbia River Channel Improvement - RM 14+45 to 15+27							
Date: 09/07/2005							
Dredging Load Number 848 Tidal Stage Flood Dredge State: Overflow through skimmers only Weather: Clear Wind: 0-5 kts Seas: 1'-2' Disposal location Columbia River DWS	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	20.3	15:43:17	7361709.92	940176.19	1.4	
	DR-2	19.2	15:44:35	7362202.42	940441.87	17.7	8.4
	DR-2R1	19.2	15:44:37	7362210.85	940441.52	17.4	8.4
	DR-4	19.9	15:47:39	7362793.08	940423.70	14.9	
	DR-4R1	19.8	15:47:41	7362797.30	940423.52	14.3	
	DR-3	20.7	15:49:52	7361461.52	940813.00	15.8	
	DR-3R1	19.0	15:49:56	7361465.99	940818.90	12.1	
Remarks:				Action Taken:			
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.			
DR-3 exceeded 10% over background, taken out of the plume, on starboard side.				Re-test DR-3R1 was taken.			
				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
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DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						